

CLAIMS:

1. (Withdrawn) A liquid crystal display panel comprising:

a first substrate including a plurality of pixels and a plurality of sensing parts, each of the sensing parts having a light-sensitive switching device which is directly responsive to light and each of the sensing parts generating an output signal including a location information in response to an input signal, the location information indicating a location where the input signal is inputted;

a second substrate connected to the first substrate, the second substrate facing the first substrate; and

a liquid crystal layer interposed between the first substrate and the second substrate,

wherein each of the pixels includes a gate line, a data line, a first switching device electrically connected to the gate line and the data line, and a pixel electrode electrically connected to the first switching device,

wherein the light-sensitive switching device is a second switching device that is turned on in response to the incident light to output a first analog signal that is received from the data line, each of the sensing parts further comprising a third switching device outputting the first analog signal provided from the second switching device in response to a second analog signal applied to the gate line.

2. (Canceled)

3. (Withdrawn) The liquid crystal display panel of claim 1, wherein the incident light is an infrared light.

4. (Canceled)

5. (Currently amended) A liquid crystal display device comprising:

a liquid crystal display panel including a plurality of pixels and a plurality of sensing parts, each of the sensing parts having a light-sensitive switching device which is directly responsive to light and each of the sensing parts generating an analog signal including a location information in response to an incident light, the location information indicating a

location where the light enters; and

a control part receiving the analog signal and transforming the analog signal into a digital signal, the liquid crystal display device being controlled in response to the digital signal,

wherein each of the pixels includes a gate line, a data line, a first switching device electrically connected to the gate line and the data line; and a pixel electrode electrically connected to the first switching device, wherein the first switching device includes a gate electrode electrically connected to a gate line, a source electrode electrically connected to a data line and a drain electrode electrically connected to the pixel electrode so that a data signal is provided to the pixel electrode through the data line and the source electrode,

wherein the light-sensitive switching device is a second switching device electrically connected to receive a first analog signal from the data line and [[that]] is turned on in response to the incident light to output [[a]] the first analog signal that is received from the data line, each of the sensing parts further comprising to a third switching device outputting the first analog signal provided from the second switching device in response to a second analog signal applied to the gate line.

6. (Canceled)

7. (Currently amended) The liquid crystal display device of claim 5, wherein each of the sensing parts further comprises a first sensor line receiving the first analog signal from the third switching device and transmitting the first analog signal to the control part, wherein the first sensor line is electrically insulated from the data line and directly connected to the third switching device.

8. (Previously Presented) The liquid crystal display device of claim 7, wherein each of the sensing parts further comprises a second sensor line.

9. (Previously Presented) The liquid crystal display device of claim 8, wherein the second switching device includes a first gate electrode diverging from the second sensor line, a first source electrode diverging from the data line, and a first drain electrode being

electrically connected to the third switching device.

10. (Previously Presented) The liquid crystal display device of claim 7, wherein the third switching device includes a first gate electrode diverging from the gate line, a first source electrode being electrically connected to the second switching device, and a first drain electrode being electrically connected to the first sensor line.

11. (Previously Presented) The liquid crystal display device of claim 7, wherein the first switching device, the second switching device and the third switching device each correspond to an amorphous-silicon thin film transistor.

12-14. (Canceled)

15. (Previously presented) The liquid crystal display device of claim 5, wherein the pixel electrode comprises a transparent electrode and a reflective electrode including a transmission portion and a reflection portion, the reflective electrode facing the transparent electrode.

16. (Previously Presented) The liquid crystal display device of claim 15, wherein the reflective electrode comprises an opening window uncovering the sensing part, the incident light passing through the opening window and arriving at the sensing part.

17. (Previously presented) The liquid crystal display device of claim 7, wherein the incident light is an infrared light.

18-19. (Canceled)

20. (Previously presented) The liquid crystal display device of claim 17, wherein the second switching device includes a first source electrode diverging from the data line, and a first drain electrode being electrically connected to the third switching device, wherein the first sensor line, the first source electrode and the first drain electrode of the second

switching device comprise a transparent and electrically conductive material.

21. (Original) The liquid crystal display device of claim 20, wherein the pixel electrode comprises a transparent electrode and a reflective electrode including a transmission portion and a reflection portion, the reflective electrode facing the transparent electrode.

22. (Previously Presented) The liquid crystal display device of claim 21, wherein the reflective electrode comprises an opening window exposing the light-sensitive switching device, the infrared light passing through the opening window and arriving at the light-sensitive switching device.

23. (Previously Presented) The liquid crystal display device of claim 5, wherein the control part comprises:

a connecting part to receive the analog signal and transform the analog signal into the digital signal in response to a first control signal;

a first driving part to drive the liquid crystal display panel in response to a second control signal; and

a second driving part to provide the connecting part with the first control signal and to receive the digital signal from the connecting part to output the second control signal.

24. (Original) The liquid crystal display device of claim 23, wherein the first driving part is formed in a chip, the chip being mounted on the liquid crystal display panel, the chip having the connecting part therein.

25. (Original) The liquid crystal display device of claim 23, wherein the first driving part and the connecting part are integrally formed in the liquid crystal display panel.

26-40. (Cancelled)